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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/697,044	10/27/2000	Chun-Geun Choi	P56219RE	3709

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EXAMINER	
SONG, HOSUK	
ART UNIT	**PAPER NUMBER**
2135	7

DATE MAILED: 01/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/697,044	CHOI, CHUN-GEUN	
	Examin r	Art Unit	
	Hosuk Song	2131	

-- The MAILING DATE of this communication app ars on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *26 September 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-51* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☒ Claim(s) *1-22* is/are allowed.

6)☒ Claim(s) *23-51* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

13)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

a) ☐ The translation of the foreign language provisional application has been received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

Claim Objections

1. Claims 28-31,33,37-41,43 are objected to because of the following informalities: password should be one word. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

2 Claims 23-25,32-35,45-51 are rejected under 35 U.S.C. 102(e) as being anticipated by Lee(US 5,475,377).

Claim 23: Lee's patent discloses a display device attached to a computer, displaying an image in (col.6,lines 22-26). Lee teaches a circuit for converting electronic signals from computer to image in (col.6,lines 12-17;col.7,lines 41-45). Lee teaches memory means for storing ID code data input via a user in (col.4,lines 20-30). Lee teaches a microcomputer for controlling display device responsive to a result of a comparison between an ID code input by the user with ID code data stored in memory and for receiving signals from computer to control an opertion of display device in (col.12,lines 39-44;col.16,lines 4-9,20-29).

Claim 24: Lee's patent teaches switches turned off by a control signal output from a terminal of the microcomputer when result of the comparison indicates that ID code input by the user is inconsistent with stored ID code data in (col.6,lines 1-3).

Claims 25,35: Lee discloses driving computer image signals from a computer in the display driver to provide image signals to drive a display in (col.6,lines 22-26). Lee discloses converting digital information signals from the microcomputer into image signals in the circuit in (col.7,lines 42-44). Lee discloses forming a keyed ID code in the microcomputer from keypad

inputs in(fig.2B). Lee discloses determining in the microcomputer when the stored ID code is unequal to the keyed ID code and setting the computer and the display driver to be in disconnected state when the microcomputer determines that the stored ID code is unequal to the keyed ID code in (col.6,lines 1-3;col.10,lines 5031 and col.12,lines 36-44;col.16,lines 25-29).

Claim 32: Lee discloses program module to receive the keyed ID code and store the keyed ID code in the memory as the stored ID code in (col.3,lines 38-49 and col.4,lines 16-30).

Claims 33-34: directed to using a different program module to compare ID code,error routine,receiving horizontal,vertical signals and generating analog image signals,causing a message to be carried in drive signals, the message indicating that the keyed ID code is inconsistent with the stored ID when the error routine is operated. Lee's patent discloses computer system where inputted password is compared against stored password from the memory and performs security function in (col.4,lines 16-29). It is inherent in system of Lee's to include software modules to carry out such tasks.

Claims 45,48-51: Lee's patent discloses a display device attached to a computer, displaying an image in (col.6,lines 22-26). Lee teaches a circuit for converting electronic signals from computer to image in (col.6,lines 12-17;col.7,lines 41-45). Lee teaches memory means for storing ID code data input via a user in (col.4,lines 20-30). Lee teaches a microcomputer for controlling display device responsive to a result of a comparison between an ID code input by the user with ID code data stored in memory and for receiving signals from computer to control an opertion of display device in (col.12,lines 39-44;col.16,lines 4-9,20-29).). Lee discloses forming a keyed ID code in the microcomputer from keypad inputs in(fig.2B). Lee discloses determining in the microcomputer when the stored ID code is unequal to the keyed ID code and setting the computer and the display driver to be in disconnected state when the microcomputer

determines that the stored ID code is unequal to the keyed ID code in (col.6,lines 1-3;col.10,lines 5-31 and col.12,lines 36-44;col.16,lines 25-29).

Claims 46,47: Lee discloses display unit is a liquid crystal display unit in (col.6,lines22-26).

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 26-31,36-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee(US 5,475,377) in view of Hale et al(US 5,355,414).

Claims 26-27,36: Lee does not specifically disclose step of confirming a flag indicating a password system is enabled/disabled. Hale patent disclose step of confirming a flag indicating a password system is enabled/disabled in (col.7,lines 23-28;col.9,lines 13-25). It would have been obvious to person of ordinary skill in the art at the time invention was made to employ flag system, as taught in Hale with password system disclosed in Lee in order to alert the user status of the system whether correct password needs to be entered or not so that user is fully aware of its security system status. Further, flag system provides warning signal as a deterrent message to unauthorized user that system is protected and secured.

Claims 28-31,37: directed to use program modules to read and compare passwords. Lee's patent discloses computer system where inputted password is compared against stored password from the memory. It would have been obvious to person of ordinary skill in the art to recognize that Lee's system requires software or modules in order to carry out these tasks. : Lee does not specifically disclose step of confirming a flag indicating a password system is enabled/disabled. Hale patent disclose step of confirming a flag indicating a password system is enabled/disabled in (col.7,lines 23-28;col.9,lines 13-25). It would have been obvious to

person of ordinary skill in the art at the time invention was made to employ flag system, as taught in Hale with password system disclosed in Lee in order to alert the user status of the system whether correct password needs to be entered or not so that user is fully aware of its security system status. Further, flag system provides warning signal as a deterrent message to unauthorized user that system is protected and secured.

Claims 38-44: . Lee teaches memory means for storing ID code data input via a user in (col.4,lines 20-30). Lee teaches a microcomputer for controlling display device responsive to a result of a comparison between an ID code input by the user with ID code data stored in memory and for receiving signals from computer to control an opertion of display device in (col.12,lines 39-44;col.16,lines 4-9,20-29).). Lee discloses forming a keyed ID code in the microcomputer from keypad inputs in(fig.2B). Lee discloses determining in the microcomputer when the stored ID code is unequal to the keyed ID code and setting the computer and the display driver to be in disconnected state when the microcomputer determines that the stored ID code is unequal to the keyed ID code in (col.6,lines 1-3;col.10,lines 5-31 and col.12,lines 36-44;col.16,lines 25-29). Lee does not specifically disclose step of confirming a flag indicating a password system is enabled/disabled. Hale patent disclose step of confirming a flag indicating a password system is enabled/disabled in (col.7,lines 23-28;col.9,lines 13-25). It would have been obvious to person of ordinary skill in the art at the time invention was made to employ flag system, as taught in Hale with password system disclosed in Lee in order to alert the user status of the system whether correct password needs to be entered or not so that user is fully aware of its security system status. Further, flag system provides warning signal as a deterrent message to unauthorized user that system is protected and secured.

Allowable Subject Matter

4. Claims 1-22 are allowed.

Claims 1,3,13: Prior art of record does not teach setting one of the gain of the video amplifier to be substantially zero and a connection state of analog switches coupled between the computer system and the video amplifier to be in a disconnected state when the microcomputer determines that the stored ID code is unequal to the keyed ID and mixing the amplified image signals and the analog on-screen image signals to provide CRT drive signals.

Claims 2,4-12,14-22 are allowed because of dependency.

Response to Applicant's Arguments

5. Claims 1-50 rejected as being based upon a defective oath under 35 U.S.C.251 withdrawn in view of applicant's arguments.

Objections to claims 23-50 under U.S.C. 1.173© is withdrawn in view of Applicant's arguments.

Objection to Declaration is withdrawn in view of applicant's arguments.

Previous grounds of rejections based on the Kwoh,Lantz,Rew and Warren patents are withdrawn in view of Applicant's arguments in the Amendment filed 9/26/03. However, newly discovered prior art has necessitated new grounds of rejection. The new grounds of rejection are presented above. The delay in citation of the newly discovered prior art is regretted.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hosuk Song whose telephone number is 703-305-0042. The examiner can normally be reached on Tue-Fri from 5:30 am- 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 703-305-9648. The fax phone number for the organization where this application or proceeding is assigned is 703-305-0040.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

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